## PATENT COOPERATION TREATY

# **PCT**

# TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or	agent's file refere	nce	1				
P04-113			FOR FURTHER ACTION		See Form PCT/IPEA/416		
International application No. In			International filing	date (day/month/year)	Priority date (day/month/year)		
PCT/JP2004/014781 30.0			30.09.20	04	10.10.2003		
	Patent Classification		onal classification an	d IPC	-		
	ASEI KOG	YO COME	PANY LIMIT	ED			
l. This unde	report is the inter r Article 35 and tr	national prelin	ninary examination r e applicant according	eport, established by thi to Article 36.	is International Preliminary Examining Authority		
2. This	2. This REPORT consists of a total of 6 sheets, including this cover sheet.						
3. This	report is also acco	mpanied by Al	NNEXES, comprising	;;			
a. [	(sent to the	applicant and	to the International B	ureau) a total of	sheets, as follows:		
	a. (sent to the applicant and to the International Bureau) a total of sheets, as follows:  sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
	sheets the di Box.	which superse sclosure in the	de earlier sheets, but international applica	which this Authority co	onsiders contain an amendment that goes beyond ed in item 4 of Box No. I and the Supplemental		
ь. [	(sent to the	International B	Bureau only) a total of	(indicate type and numb	ber of electronic carrier(s))		
	-				, containing a sequence listing and/or tables		
	related thereto Section 802 o	o, in computer f the Administr	readable form only, ative Instructions).	as indicated in the Supp	lemental Box Relating to Sequence Listing (see		
4. This i	report contains ind	lications relatin	g to the following ite	ms:			
$\boxtimes$	Box No. I	Basis of the 1	report .				
	Box No. II	Priority					
	Box No. III	Non-establis	hment of opinion witl	regard to novelty, inver	ntive step and industrial applicability		
Box No. IV Lack of unity of			of invention				
$\boxtimes$	Box No. V	Reasoned sta	tement under Article explanations support	35(2) with regard to noving such statement	relty, inventive step or industrial applicability:		
	Box No. VI	Certain docu	ments cited				
	Box No. VII	Certain defec	ts in the international	application			
	Box No. VIII	Certain obser	vations on the interna	ational application	}		
Date of submiss	sion of the demand	i		Date of completion of the	his report		
			;				
Name and maili	ing address of the	IPEA/JP		Authorized officer			
Facsimile No.				Tolophoro N-			
				Telephone No.			

International application No.

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Box N	lo. l	Basis of the report	
l. V	With regard ndicated un	to the language, this report is based on the internation der this item.	nal application in the language in which it was filed, unless otherwise
	This re	eport is based on translations from the original langua is the language of a translation furnished for the purp	ge into the following language, oses of:
		nternational search (Rule 12.3 and 23.1(b))	f
		publication of the international application (Rule 12.4)	· ·
		nternational preliminary examination (Rule 55.2 and/o	
re	with regard receiving Off his report):	to the elements of the international application, this i fice in response to an invitation under Article 14 are	report is based on (replacement sheets which have been furnished to the referred to in this report as "originally filed" and are not annexed to
	the inte	ernational application as originally filed/furnished	
L	the des	cription:	
	pages		as originally filed/furnished
	pages*		received by this Authority on
	pages*		received by this Authority on
	the clai	ms:	
	nos.		as originally filed/furnished
	nos.*		
	nos.*		received by this Authority on
	nos.*	•	
_	- ٦		received by this Authority on
<u> </u>	the draw	vings:	
	sheets		
	sheets*		received by this Authority on
	sheets*		received by this Authority on
Ļ	a sequei	nce listing and/or any related table(s) - see Supplemen	atal Box Relating to Sequence Listing.
3.	The ame	endments have resulted in the cancellation of:	
	th	e description, pages	
	L th	e claims, nos.	
	th.	e drawings, sheets/figs	
	the	e sequence listing (specify):	
4.	This rep	oort has been established as if (some of) the amendmente been considered to go beyond the disclosure as filed	ents annexed to this report and listed below had not been made, since I, as indicated in the Supplemental Box (Rule 70.2(c)).
	the	e description, pages	
	1 1	e claims, nos.	
•	1 1		
		•	
* If i		es, some or all of those sheets may be marked "supers	I.

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Во	x No. 1	V Lack of unity of invention
ì.		In response to the invitation to restrict or pay additional fees the applicant has:
		restricted the claims.
		paid additional fees.
		paid additional fees under protest.
		neither restricted the claims nor paid additional fees.
2.		This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.
3.	This	Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is:
		complied with.
	$\bowtie$	not complied with for the following reasons:
		The feature that is common to both the
		inventions set forth in claims 1 to 3 and the
		inventions set forth in claims 4 to 8 is the compound
		represented by general formula (2). However, compounds
		represented by general formula (2) are disclosed in
		the document JP 2003-321431 A ((Fuji Photo Film Co.,
		Ltd.), 11 November 2003), and thus the compounds in
		question are not novel. Furthermore, the inventions
		set forth in claims 1 to 3 of the present application
		are not disclosed in the earliest application that
		serves as the basis for claiming the rights of
		priority (filing date: 10 October 2003), and thus the
		compounds that are represented by general formula (2)
		are not novel for the reason indicated above.
		[Refer to the Supplemental Box]
		·
4.	Cons	equently, this report has been established in respect of the following parts of the international application:
7.		all parts.
		the parts relating to claims Nos.

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B 0:	No. V Reasoned stateme citations and expl	anations su	rticle 35(2) with regard to nove pporting such statement	lty, inventive step or industrial applicability;	
	Novelty (N)	Claims	1-8		YE:
		Claims			_ мо
	Inventive step (IS)	Claims	1-8		YES
		Claims			_ NO
	Industrial applicability (IA)	Claims	1-8		YES
		Claims	•		NO

2. Citations and explanations (Rule 70.7)

Document 1: JP 46-10526 B1 (Toyo Jozo Co., Ltd.), 17

March 1971

Document 2: JP 9-309883 A (Kabushiki Kaisha Toyo Kasei),

02 December 1997 & EP 796852 A1

(Documents 1 and 2 are cited in the international search report.)

Document 1 (column 4, line 37 to column 5, line 6) indicates that imidoyl chlorides can be obtained by subjecting a carboxylic acid amide to the action of a chlorification agent such as POC13, and further indicates that it is preferable to obtain imidoyl chlorides by means of a method wherein a carboxylic acid amide is subjected to the action of COC12 in the presence of a tertiary amine. However, document 1 does not disclose or suggest a method wherein a carboxylic acid amide is subjected to the action of POC13 in the presence of a tertiary amine, like in the inventions that are set forth in claims 1 to 3 of the present application.

Such being the case, claims 1 to 3 are novel and involve an inventive step.

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Document 2 (claims and paragraphs [0003] to [0010]) discloses a method for the production of tetrazoles by reacting a nitrile and an inorganic azide salt in the presence of an amine salt, said production method being characterized in that the reaction in question is carried out within an aromatic hydrocarbon solvent in order to resolve the problems that are associated with purification by means of prior art DMF solvents. However, document 2 does not indicate or suggest that it would be possible to employ the method in question when reacting an imidoyl chloride and an azide compound, like in the inventions that are set forth in claims 4 to 8 of the present application.

Such being the case, claims 4 to 8 are novel and involve an inventive step.

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of:

Box IV.3

Such being the case, the only feature that is common to the abovementioned two groups of inventions is not a special technical feature; consequently, these two groups of inventions are not linked so as to form a single general inventive concept.